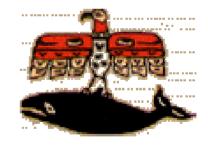




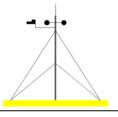
Makah Nation

Renewable Energy Development on Tribal Lands Project

November, 2003



U.S. DOE Grant Number: DE-PS36-03GO93002



Project Overview



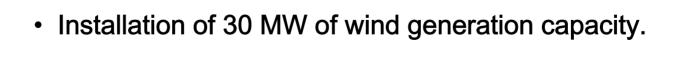
 Set up Makah Tribal utility organization capable of carrying out utility business functions of the tribe.

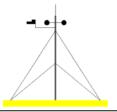


 Develop markets for the power from the Makah Wind Plant.



Finalize development tasks presently underway



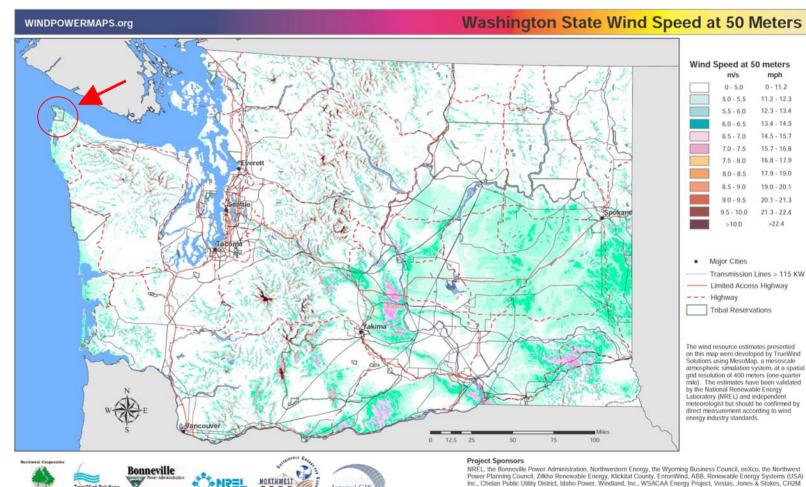


Project Location







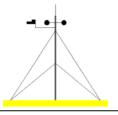


Slide 3

WINDynamics, INC

Hill, Suzlon Energy, Northwest Wildlife Consultants, Inc., and Cielo Wind Power

For more information see www.windpowermaps.org



Summary of the Project Objectives



Objective 1) - Formation of Tribal Utility Authority

local energy usage patterns

Objective 2) - Wind data analysis, Economics/pricing Studies

Objective 3) - Transmission/Wheeling Tariff Evaluation – Economics/pricing Studies



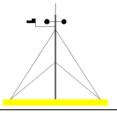
Objective 4) - Complete Environmental Profile and Mitigation Strategy

Objective 5) - Marketing of Power



Objective 6) - Negotiate Commercial Deal with Wind Developer (Cielo) to initiate construction

Objective 7) - Reporting to DOE and project partners



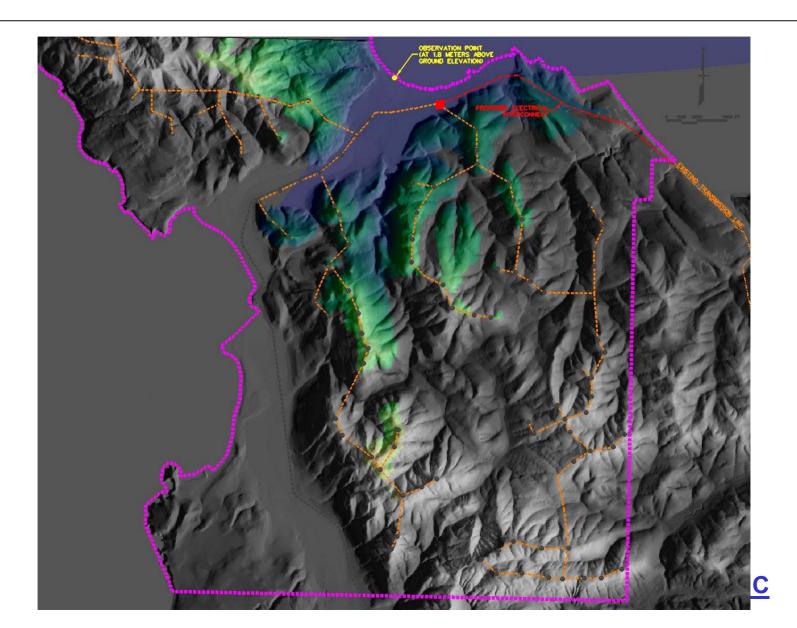
Project Site

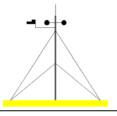












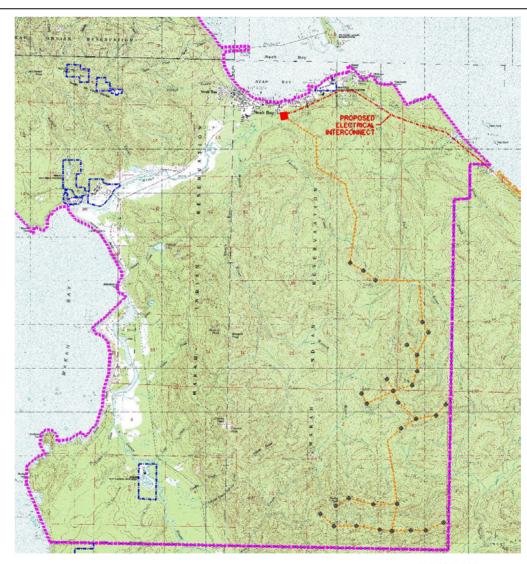
Project Site

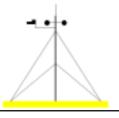












Background on Tribal Utilities



Legal summary and other cases



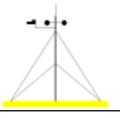
Tactical approaches with LDCs



Importance of council unity



Often times a "win - win" outcome



Tribal Utility Benefits



Exercise tribal sovereignty



Develop infra-structural self-sufficiency

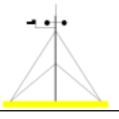


Diversify tribal assets



Create an entity that facilitates development

Create a sustainable profit center



Steps toward Utility Formation



Information gathering on load and economics



Appraisal of distribution assets

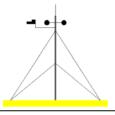


Negotiation with incumbent utilities



Negotiation of power/maintenance contracts





Project Participants



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mtcbud@olypen.com

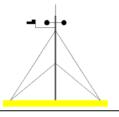
•Makah Tribal Chairman

Nathan Tyler

Wind Company Representative

Zeina El-Azzi, Cielo Wind Power, Austin, Texas 78701





Relevant Background Information



Makah Tribal has been approached before



Existing relationship with Cielo Wind Power



2002 DOE grant for preliminary work



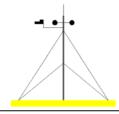
Economic need



Clallam is BPA full service customer

Slide 11

WINDynamics, INC



Questions



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